

6-6-1975

## 1975 Commencement for Jefferson Medical College, College of Graduate Studies, and College of Allied Health Sciences

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151ST  
COMMENCEMENT



*Jefferson Medical College  
College of Graduate Studies  
College of Allied Health Sciences  
of  
Thomas Jefferson University*

1824-1975

*Friday, June Sixth  
Nineteen Hundred and Seventy-Five  
Half Past Ten O'clock*

*The Academy of Music*



PROCESSIONAL .....Trumpet Voluntary .....JOHN STANLEY  
The Jefferson Processional .....BURLE MARX

THE NATIONAL ANTHEM

INVOCATION .....The Very Reverend FREDERICK M. BROOKS  
Church of the Saviour

CONVOCATION  
Opening Remarks .....PETER A. HERBUT, *President*

CONFERRING OF DEGREES IN COURSE .....PRESIDENT HERBUT  
Doctor of Philosophy  
Presented by .....ROBERT C. BALDRIDGE, *Dean*  
College of Graduate Studies  
  
Doctor of Medicine  
Presented by .....WILLIAM F. KELLOW, *Dean and Vice President*  
Jefferson Medical College

The Oath of Hippocrates .....GONZALO E. APONTE, *Professor of Pathology*  
and *Chairman of the Department*  
Jefferson Medical College

Master of Science  
Presented by .....DEAN BALDRIDGE

Bachelor of Science  
Presented by .....JOHN W. GOLDSCHMIDT, *Dean*  
College of Allied Health Sciences

CONFERRING OF HONORARY DEGREES .....PRESIDENT HERBUT

HERBERT E. CARTER, *Coordinator of Interdisciplinary Programs, The University of Arizona, Doctor of Humane Letters*  
Presented by: JULIUS M. COON, *Professor of Pharmacology and Chairman of the Department,*  
Jefferson Medical College

ANTHONY F. DEPALMA, *Emeritus James Edwards Professor of Orthopaedic Surgery, Jefferson Medical College, Doctor of Letters*  
Presented by: JOHN J. GARTLAND, *The James Edwards Professor of Orthopaedic Surgery and Chair-*  
*man of the Department, Jefferson Medical College*

ALTHEA K. HOTTEL, *Formerly Dean of Women, University of Pennsylvania, Doctor of Laws*  
Presented by: WILLIAM W. BODINE, JR., *Chairman, Board of Trustees, Thomas Jefferson University*

MESSAGE TO GRADUATES .....PRESIDENT HERBUT

BENEDICTION .....REVEREND BROOKS

RECESSIONAL .....Pomp and Circumstance .....ELGAR  
W. ERNEST WELLS, *Organist*  
  
Marshal  
FRANCIS J. SWEENEY, JR.

ROBERT P. GILBERT Faculty Marshals  
JOSEPH S. GONNELLA JOHN H. KILLOUGH

NEAL FLOMENBERG Student Marshals  
Jefferson Medical College LARRY S. ANDREWS College of Graduate Studies FRANK JAY KELLY College of Allied Health Sciences

The audience is requested to rise when the Academic Procession enters the Auditorium and, at the close of the exercises, to stand at their seats until the recessional is completed.

AWARDS and PRIZES

Awarded at Class Day Exercises on Thursday, June 5, 1975

FACULTY AWARDS

*The Christian R. and Mary F. Lindback Award for Distinguished Teaching.*  
BASIC SCIENCES: RICHARD G. BERRY, B.A., M.D., Professor of Neurology and Professor of Pathology (Neuropathology)  
  
CLINICAL SCIENCES: ARTURO HERVADA, M.D., Professor of Pediatrics

AWARDS TO GRADUATING STUDENTS

*The Albert Strickler Memorial Prize*, sponsored by Mrs. Albert Strickler for the best essay on Cancer.  
MARC E. STERNBERG  
  
*The Henry M. Phillips Prize in Medicine.*  
WILLIAM GEORGE PALACE, (honorable mention: EDWARD STEPHEN SCHULMAN)  
  
*The Practice of Medicine Essay Prize*, awarded by bequest of Francis W. Shain, M.D.  
THOMAS JOHN MAXWELL, (honorable mention: GEOFFREY GADDIS HALLOCK and PETER GEORGE KLACSMANN)  
  
*The Henry M. Phillips Prize in Surgery.*  
STEVEN G. PRATT, (honorable mention: ROBERT THAYER SATALOFF)  
  
*The Surgery Essay Prize*, awarded by bequest of Francis W. Shain, M.D.  
JUSTIN FREDRIC WEISS, (honorable mention: GEOFFREY GADDIS HALLOCK)  
  
*The Clinical Surgery Prize* in memory of Francis Torrens Stewart, M.D., Professor of Surgery, Jefferson Medical College, 1910-1920.  
ALAN CARY GOLD, (honorable mention: LEWIS S. LUNDY SHARPS)  
  
*The Gynecology Prize*, sponsored by Mrs. Albert Strickler in memory of Lewis C. Sheffey, M.D., Emeritus Professor of Obstetrics and Gynecology.  
BRUCE BARTON BORGELT, (honorable mention: LEONARD GROSSMAN)  
  
*The Orthopaedic Surgery Prize*, sponsored by Professor John J. Gartland, M.D.  
JONATHAN LOUIS KATES, (honorable mention: JOHN HENRY DOHERTY)  
  
*The Urology Prize*, awarded in memory of Theodore R. Fetter, M.D., The Nathan Lewis Hatfield Professor of Urology.  
LAWRENCE JAY GIBEL, (honorable mention: HARRY GERSHON ZEGEL)  
  
*The Edward J. Moore, M.D. Memorial Prize in Pediatrics.*  
ANNE P. HENCH, (honorable mention: EDWARD HOWARD LOWENSTEIN)  
  
*The Henry Keller Mohler Memorial Prize in Therapeutics*, sponsored by Mr. Jesse Hubschman in memory of his wife, Natalie, to honor Henry Keller Mohler, M.D.  
JOSEPH MICHAEL BRANCONI, (honorable mention: JONATHAN KAY)  
  
*The Psychiatry Prize.*  
ROBERT EDWARD WALL  
  
*The S. MacCuen Smith Memorial Prize in Otology*, sponsored by Mrs. Stuart Lodge Bullivant in memory of her father.  
JOHN DANIEL DOMANSKI, (honorable mention: NORBERT DANIEL SCHARFF)  
  
*The Carroll R. Mullen, M.D., Memorial Prize in Ophthalmology.*  
RICHARD PETER MARCELLO, (honorable mention: JANINE ANN MATSKO)  
  
*The Obstetrics and Gynecology Prize*, sponsored by Mrs. Sarah George Miller in honor of John B. Montgomery, M.D., Emeritus Professor of Obstetrics and Gynecology.  
ALAN CARY GOLD  
  
*The Baldwin L. Keyes Prize in Psychiatry*, award given in honor of Baldwin L. Keyes, M.D., Sc.D., Emeritus Professor of Psychiatry.  
KENNETH JOHN DETRICK



*The William Potter Memorial Prize in Clinical Medicine*, award given from a bequest of Mrs. Adaline Potter Wear for highest attainment.

STEVEN G. PRATT, (honorable mention: JOHN FREDERICK NANSTEEL, JR.)

*The Alumni Prize*, awarded by Jefferson Medical College Alumni Association for the highest cumulative record.

BRUCE JEFFERY STRATT, (honorable mention: GEOFFREY GADDIS HALLOCK)

*The Louis B. Swisher, Jr. Memorial Prize in Anesthesiology.*

PAUL DAVID BERGUSON

*The Philip J. Hodes Prize in Radiology.*

IRENA OLGA STOLAR

*The E. Harold Hinman Memorial Prize in Community Health and Preventive Medicine*, sponsored by family and friends in memory of E. Harold Hinman, Ph.D., M.D., M.P.H., Emeritus Professor of Preventive Medicine.

JOHN RANDOLPH HAIN, (honorable mention: RICHARD NEAL BLUTSTEIN and JOHN DONALD RAUTH, JR.)

*The Leopold Goldstein Memorial Prize in Obstetrics and Gynecology*, sponsored by family and friends in memory of Leopold Goldstein, M.D., for the highest average in Obstetrics and Gynecology.

ALAN CARY GOLD, (honorable mention: STEPHEN COUGHLIN TOWNEND)

*The Arthur Krieger Memorial Prize in Family Medicine*, sponsored by family and friends in memory of Arthur Krieger, M.D.

ALEXANDER GRAHAM PATERSON, (honorable mention: STANLEY SCOTT PAIST, III)

*The Arthur Krieger Memorial Prize in Neurology*, sponsored by family and friends in memory of Arthur Krieger, M.D.

GEOFFREY ROSS BARGER, (honorable mention: ARTHUR CHARLES ST. ANDRE and GARY MITCHELL OWENS)

*The Dean Marie Baner Memorial Prize in Pediatrics*, sponsored by family and friends in memory of Dean Marie Baner, M.D., a graduate of the Class of 1973, for excellence in Pediatrics.

WINSLOW JOSEPH BORKOWSKI, JR., (honorable mention: CRAIG FRED LaFORCE)

*The Hubert Spencer Sear Memorial Prize* to be given to an outstanding Senior Student in Radiology.

STEPHEN KARASICK, (honorable mention: BRUCE JEFFERY STRATT)

*Upjohn Achievement Award* to be given to a Senior Medical Student who shows outstanding all-around achievement in Clinical proficiency.

JOHN FREDERICK NANSTEEL, JR., (honorable mention: GORDON L. BRODIE)

*The Lange Medical Publications Prizes* to each of two outstanding Senior Students. A gift of four Lange Publications books.

MICHAEL JOSEPH BESOZZI and LEWIS S. LUNDY SHARPS

*W. B. Saunders Company Prize* to the student who has attained the highest scholastic average for the Senior Year. Medical Publications.

STEVEN G. PRATT

*The C. V. Mosby Company Prize.* Awarded to five outstanding graduates.

STEPHEN COUGHLIN TOWNEND

HYMAN DALE LIPSITZ

ROBERT HAMILTON HALL

JOHN THOMAS SANTARLAS

PETER GEORGE KLACSMANN

*The Richard W. Foster Prize* to a graduating student who has made a significant contribution toward the furthering educational programs of Jefferson Medical College.

ROBERT THAYER SATALOFF

*The Charles LaBelle Prize* for an outstanding candidate for the degree of Doctor of Philosophy. Award given by Mrs. LaBelle and family in memory of her husband, Charles W. LaBelle, Ph.D., Assistant Professor of Preventive Medicine (Environmental Hygiene). Given on May 28, 1975 at a meeting of the College of Graduate Studies.

THOMAS LEE LEWIS

#### DOCTOR OF HUMANE LETTERS—HERBERT EDMUND CARTER

Herbert Edmund Carter, member and past chairman of the National Science Board, has capped a career as a distinguished and productive bioscientist by serving the nation as a leader and as a spokesman for science.

A native of Indiana and a graduate of DePauw University, he earned the degree of Doctor of Philosophy in Organic Chemistry at the University of Illinois and embarked on a career in biochemistry which spanned almost 40 years at that institution. As a Professor of Biochemistry, Head of the Department of Chemistry and Chemical Engineering, and as Vice Chancellor for Academic Affairs, he gave outstanding service to his University.

Several of the advances in man's ability to cope with infectious and genetic diseases can be traced to Dr. Carter's basic studies on the isolation and structure of antibiotics such as streptomycin and his elucidation of the chemical structure of complex lipids of plants and of nerve tissue and the brain—notably sphingosine.

Ranking equal to his contributions to science are his contributions for science. His peers in biochemistry elected him to the Presidency of the American Society of Biological Chemists in 1957 and he served for a decade as a member of the Editorial Board of the *Journal of Biological Chemistry*. He also served as a member of the Editorial Boards of the *Journal of the American Chemical Society*, *Biochemistry*, the *Annual Review of Biochemistry*, and the *Journal of Lipid Research*.

Following election to the National Academy of Sciences in 1953, he served as a member of the Council of that organization and Chairman of the Section of Biochemistry. An active participant of the National Research Council, he served with distinction in many capacities at home and abroad as a Delegate to Conferences of the International Union of Pure and Applied Chemistry and he headed the Delegation to the Twentieth Conference in Munich in 1959.

He served the National Institutes of Health in many ways, including membership on the Board of Scientific Counselors of the National Heart Institute and participation on many committees of the Division of Research Grants and the National Institute of General Medical Sciences.

In addition to serving as an adviser to many outstanding science departments in the past few years, he is currently a member of the Board of Trustees and the Executive Committee of the Nutrition Foundation and a member of the Board of Directors of the Citizens' Commission on Science, Law, and Food Supply. In 1974 he completed his second term as Chairman of the National Science Board, a panel of distinguished Americans that advises the President of the United States and the National Science Foundation on the role of science in our society. In honor of his extraordinary service on the National Science Board, a mountain ridge in Antarctica has been named "Carter Ridge".

Dr. Carter has received numerous awards and an honorary degree from DePauw University and the University of Illinois as well as from Indiana University, of his native state.

Dr. Carter is presently Coordinator of Interdisciplinary Programs at the University of Arizona.

*Presented by:*

JULIUS M. COON, A.B., Ph.D., M.D.

Professor of Pharmacology and Chairman of the Department  
Jefferson Medical College

#### DOCTOR OF LETTERS—ANTHONY FREDERICK DE PALMA

Anthony Frederick De Palma, the James Edwards Emeritus Professor of Orthopaedic Surgery in Jefferson Medical College, is a renowned physician who has demonstrated remarkable skills in both clinical surgery and research.

Dr. De Palma was born in Philadelphia where he received his primary education. He earned his bachelor's degree at the University of Maryland and received his Doctor of Medicine from the Jefferson Medical College. His internship was served at the Philadelphia General Hospital—an institution to which he remained loyal throughout his career in Philadelphia, serving in later years as the Chief Orthopaedic Surgeon. He served his residency at the New Jersey Orthopaedic Hospital in Orange, New Jersey.

Dr. De Palma joined the faculty of Jefferson Medical College in 1945 after serving his country as a Medical Officer in the United States Navy during World War II. He rose rapidly through the academic ranks and was appointed the James Edwards Professor of Orthopaedic Surgery and Chairman of the Department in 1950. He will best be remembered at Jefferson for his efforts during these years in stimulating the interest of countless students and training numerous physicians in the science and art of Orthopaedic Surgery. While at Jefferson he served as a consultant to a dozen health care institutions in the Philadelphia area, including the U. S. Army, the U. S. Navy, and the Veterans Administration Hospital.

Dr. De Palma holds memberships in many professional and honorary societies and is a Fellow of the American College of Surgeons, the American Academy of Orthopaedic Surgery, and the Association of Bone and Joint Surgeons. He is a member of the honorary medical society Alpha Omega Alpha and Sigma Xi. He has published over 80 books and articles in the orthopaedic literature and has received two awards from the American Academy of Orthopaedic



Surgeons for his scientific presentations. He was the Editor-in-Chief-Emeritus of *Clinic Orthopaedics and Related Research*.

Following his retirement as Chairman of the Department in Jefferson Medical College, he was not satisfied to rest on his laurels but continued in his academic and clinical pursuits and was appointed Professor and Chairman of the Department of Orthopaedic Surgery in the College of Medicine and Dentistry of New Jersey. He is frequently sought as a visiting professor and guest lecturer by medical organizations in this country and abroad.

Dr. De Palma was honored by his students when the graduating class of 1962 commissioned the painting of his portrait for presentation to the Jefferson Medical College—one of the highest honors that can be bestowed upon a member of the faculty.

Presented by:

JOHN J. GARTLAND, A.B., M.D.  
James Edwards Professor of Orthopaedic Surgery  
and Chairman of the Department  
Jefferson Medical College

DOCTOR OF LAWS—ALTHEA KRATZ HOTTEL  
(Mrs. A. Stauffer Hottel, Jr.)

Althea Kratz Hottel is a member of the State Board of Education of the Commonwealth of Pennsylvania and of its Council on Higher Education. She received her B.S. in Education, M.A. and Ph.D. in Sociology at the University of Pennsylvania in Philadelphia, and has been awarded eleven honorary degrees. Dr. Hottel was Dean of Instruction and Professor of Education at Queens College, Charlotte, North Carolina; Director of the Commission on the Education of Women of the American Council on Education; and for twenty-three years Dean of Women and Lecturer in Sociology at the University of Pennsylvania. Dean Hottel also served as the Representative of the United States on the Social Commission of the Economic and Social Council of the United Nations for six years.

Dean Hottel formerly was President of the American Association of University Women and of the International Federation of University Women. Currently she is Chairman of the Board and President of the Virginia Gildersleeve International Fund for University Women, Inc. She is a Fellow of the American Sociological Association and a member of Phi Beta Kappa, the Pennsylvania Association of Women Deans and Counselors, the American Association and the International Federation of University Women, the World Affairs Council of Philadelphia, the Philadelphia Museum of Art, and the Art Alliance of Philadelphia.

Dean Hottel received the Philadelphia Gimbel Award for 1947, was chosen a Distinguished Daughter of Pennsylvania in 1949, and was given a University of Pennsylvania Alumni Award of Merit in 1950. She has served on national, state, and local civic and professional committees. As Chairman of the Committee on Ways and Means for Establishing a Two-Year Community College in Philadelphia, and subsequently as Chairman of the Philadelphia Commission on Higher Education, she participated in the establishment of this college in 1964 and was one of its first trustees.

Dr. Hottel has served in the past on the Boards of Trustees of the University of Pennsylvania, the Medical College of Pennsylvania, and Beaver College, and on the Boards of Directors of the Baldwin School, the World Affairs Council of Philadelphia, and the Metropolitan Y.W.C.A. She is the author of "How Fare American Women?" and of articles in numerous journals. She has travelled extensively conferring with government, business, industrial, agricultural, labor, educational, and civic groups on international problems and has participated in educational and youth conferences in North America, Europe, Africa, and Asia.

Presented by:

WILLIAM WARDEN BODINE, JR.  
Chairman of the Board of Trustees  
Thomas Jefferson University

GLADI ELLEN VLASCA .....Tunkhannock, Pa.  
PAUL MARLEY WALL .....Wilkes-Barre, Pa.  
ROBERT EDWARD WALL .....Huntingdon Valley, Pa.  
NATHAN WEI .....Springfield, Pa.  
MICHAEL ZELIG WEINER .....Philadelphia, Pa.  
DAVID LAWRENCE WEISS .....Ithaca, N. Y.  
JUSTIN FREDRIC WEISS .....Philadelphia, Pa.  
MARK IRWIN WEISSMAN .....Philadelphia, Pa.  
MARC JOEL WERTHEIMER .....Philadelphia, Pa.

CLIFTON FORREST WEST, III .....Gladwyne, Pa.  
DOUGLAS HETZEL WEST .....Dayton, Ohio  
EDWARD SHEPARD WILLIAMS .....Claymont, Del.  
STEVEN BAYLISS WIRTS .....Philadelphia, Pa.  
(Degree Conferred October 7, 1974)  
BRADLEY DAIJUNG WONG .....Honolulu, Hawaii  
VICTOR LOONG WOO .....Wyndmoor, Pa.  
MARK ALAN ZAGER .....Stroudsburg, Pa.  
HARRY GERSHON ZEGEL .....Drexel Hill, Pa.

CANDIDATES FOR THE DEGREE OF MASTER OF SCIENCE

SANDRA HEGINBOTHOM LEWIS (Pharmacology) .....Holland, Pa.  
"Enzymes of  $\gamma$ -Aminobutyric Acid Formation and Destruction in Human Brain Tissue."  
PRASONG TEMCHAROEN (Microbiology) .....Bangkok, Thailand  
"A Systematic Study of *Lacunopsis harmandi*."  
HARVEY EARL WENTZEL, JR. (Community Health and Preventive Medicine) .....Media, Pa.  
"Coronary Risk Factors and Dietary Habits in an Executive Population."

CANDIDATES FOR THE DEGREE OF MASTER OF SCIENCE (CLINICAL MICROBIOLOGY)

OSTEIN M. BARNES, .....Chester, Pa.                      URSULA A. GLAUDEL .....Drexel Hill, Pa.  
KENT JAMES WEINHOLD .....Ephrata, Pa.

CANDIDATES FOR THE DEGREE OF BACHELOR OF SCIENCE (MEDICAL TECHNOLOGY)

KAREN ELIZABETH ANDERSEN .....Malvern, Pa.  
FRANCES ANN COGAN .....Barrington, N. J.  
SHELLEY COHEN .....Philadelphia, Pa.  
CHARLENE CONSTANCE DEVERANT .....Glenside, Pa.  
ROBERTA DIAN EARLE .....Philadelphia, Pa.  
RICKI LEE FLETMAN .....Philadelphia, Pa.  
DIANA ROSEMARIE GARMAT .....Silver Springs, Md.  
WEN FAN HOU .....Philadelphia, Pa.  
JOHANNA MARIE IVINS .....Collingswood, N. J.  
LORETTA VIVIANNE MARSH .....Philadelphia, Pa.  
DAVID PAUL McDONALD .....Wilmington, Del.  
JOANNE MARIE PETRICK .....Williamstown, N. J.  
JUDITH ANN PINKERTON .....Philadelphia, Pa.  
MARY EVELYN SIMMENDINGER .....Schuylkill Haven, Pa.  
MARY ELLEN THOMPSON .....Maple Glen, Pa.  
CAROL MARIE TOBIA .....Penn Valley, Pa.  
MIRIAM TSUI .....Philadelphia, Pa.  
JOANNA ABBATTISTA VITALE .....Lindenwold, N. J.  
KATHRYN JAN VOLTZ .....Levittown, Pa.  
THEODORE FRANCIS WERON .....Nanticoke, Pa.

CANDIDATES FOR THE DEGREE OF BACHELOR OF SCIENCE (NURSING)

SUSAN MARIE BAKER .....Levittown, Pa.  
VIRGINIA ANN BINDER .....Hershey, Pa.  
CAROLE GLUCH BLIMEGGER .....Philadelphia, Pa.  
EUGENE RALSTON BOYD, JR. ....Philadelphia, Pa.  
CAROL ANNE BROWN .....Hanover, Pa.  
LAURIE RUTH BURKE .....Haddonfield, N. J.  
CAROL RAE CHRISTIE .....Dresher, Pa.  
MARIALICE JOAN CLEARY .....Bryn Mawr, Pa.  
VICTORIA JOAN CONBOY .....Dix Hills, N. Y.  
BARBARA JANE CONDIKE .....Penllyn, Pa.  
MARGARETA LYNN CORNELL .....Newtown Square, Pa.  
LYNDA BULACH CRAWFORD .....Conshohocken, Pa.  
RUTH DAVIS CRAYMER .....Hatboro, Pa.  
ROBERTA ANN CZULADA .....Philadelphia, Pa.  
IDA ELIZABETH DANLEY .....Franklinville, N. J.  
MARIE THERESA DEL VECCHIO .....Reading, Pa.  
VIRGINIA SUZANNE EGAN .....Pennel, Pa.  
DONNA LEE FAUST .....Landsdale, Pa.  
SUZANN LEE GREEN .....Philadelphia, Pa.  
NANCY JEAN HAYES .....Springfield, Pa.  
KATHLEEN HEISE .....Wynnewood, Pa.  
ANDREA HERMAN .....Media, Pa.  
JANET LYNN JORDAN .....Pennsville, N. J.  
SUSAN LYNN KABLER .....Philadelphia, Pa.  
JOANNE ELIZABETH KEANE .....Moorestown, N. J.  
REBECCA JANE KOSKI .....Biwabik, Minn.  
ELIZABETH IRENE LE CAPPELAIN .....Cleveland, Ohio  
JENNIFER CURTIS LOHR .....Coopersburg, Pa.  
JANE ANNE MARKO .....Cherry Hill, N. J.  
NINA MARIE MCCAUSLAND .....Merion, Pa.  
JANE RICHEY MCCUBBIN .....Bloomsburg, Pa.  
PATRICIA EDITH MCINTYRE .....Allentown, Pa.  
MARY BETTINA McLAUGHLIN .....Westmont, N. J.  
LYNN JEANETTE MCPEEK .....Woodlynne, N. J.  
SHARON JEANNE MEGILL .....Manasquan, N. J.  
CHERYL KAY MILLER .....Broomall, Pa.  
JEAN MARIE O'CONNOR .....Philadelphia, Pa.  
CONSTANCE CHRISTINA OGLETREE .....Newtown Square, Pa.  
SUSAN DOROTHY O'HARA .....Philadelphia, Pa.  
MELANIE READING PIROLLO .....Camden, N. J.  
ELLEN SUE QUIRING .....Hartsville, Pa.  
DEBORAH LOUISE RANEY .....Newtown Square, Pa.  
NANCY REDFERN .....Clarion, Pa.  
GUIA FIRMALO ROJO .....Philadelphia, Pa.  
ALEXA SANDRA ROSEN .....Philadelphia, Pa.  
SHERYL ELAINE ROSEN .....Philadelphia, Pa.  
JULIA FLORIDIS SANDERS .....Westmont, N. J.  
CHARLOTTE ANN SAUER .....Cherry Hill, N. J.  
JULIE FITZGIBBONS SCENNA .....Philadelphia, Pa.  
MARY ALICE SHEPHERD .....Moorestown, N. J.  
STEPHANIE JUNE SLOAN .....Philadelphia, Pa.  
ANN SPILMAN .....Phillipsburg, N. J.  
NICKI LOU TAYLOR .....Upper Darby, Pa.  
NAN LYNN WARD .....Bala-Cynwyd, Pa.  
REBECCA BOWMAN WOOD .....Lansdale, Pa.  
PEGGY LOUISE ZIMMERMAN .....Tamaqua, Pa.

As final action cannot always be taken before the program goes to press, Thomas Jefferson University reserves the right to add or withdraw names from the list of candidates for degrees.



## CANDIDATES FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

- RALPH RIDDALL DOBELBOWER, JR. (Physiology) .....King of Prussia, Pa.  
"The Effect of Age on the Radiation Reaction of the Lung."
- PRABHAVATHI BHAT FERNANDES (Microbiology) .....Bangalore, India  
"Conditions in the Intestine Affecting *in vitro* Growth and Enterotoxin Production of *Vibrio cholerae*."
- RICHARD J. FUGO (Physiology) .....Norristown, Pa.  
"A Quantitative Study of the Ontogenesis of Rapid Eye Movements in the Sleep of Dogs."
- BARBARA ELLEN GILSON (Anatomy) .....Philadelphia, Pa.  
"Effects of Fetal Injection of Sheep Anti-Rat Kidney Serum on the Postnatal Development of the Rat Kidney."
- ERIC D. GLASOFER (Pharmacology) .....Brooklyn, N. Y.  
"Studies on the Biologic Disposition of 1-Propanol-3-3'-iminodi-dimethanesulfonate (Yoshi #864)."
- IRWIN KOPLOVITZ (Physiology) .....Harrisburg, Pa.  
"The Effect of Intravenous Saline Loading on Gastric Secretory Output in Anesthetized Dogs."
- THOMAS LEE LEWIS (Anatomy) .....Elkins Park, Pa.  
"The Effects of Pancreatectomy and Hypophysectomy on the Intermediary Metabolism of the American Eel, *Anguilla rostrata*."
- ERLING NIELSON (Physics) .....Copenhagen, Denmark  
"Propagation of Low Energy Solar Cosmic Rays in the Interplanetary and Geomagnetic Field."
- NORMAN GLENN ROSENBLUM (Anatomy) .....Philadelphia, Pa.  
"The Development of a Radioimmunoassay for Gonadotropin Releasing Hormone (GnRH) and Its Measurement in Normal Human Plasma, Secondary Amenorrhea and Postmenopausal Syndrome."
- DIANA MARILYN SCHLESINGER (Anatomy) .....Laval, Quebec, Canada  
"Effects of Preimplantation X-irradiation on Cell Viability and Embryo Survival in the Mouse."
- ARIEH STERNBERG (Physiology) .....Tel-Aviv, Israel  
"The Effects of Retrograde Intercoronary Veno-arterial Perfusion on Acute Myocardial Ischemia."

## CANDIDATES FOR THE DEGREE OF DOCTOR OF MEDICINE

- JOSEPH SALVATORE ANGELLO, JR. ....Yardley, Pa.  
(Degree Conferred October 7, 1974)
- ANGELO SALVATORE AGRO .....Philadelphia, Pa.  
CHRISTOPHER HANKINSON ANTHONY .....Philadelphia, Pa.  
WILLIAM ALLEN AURITT .....Merion Station, Pa.  
DAVID AZAR .....Glenshaw, Pa.  
WILLIAM BADER .....Pittsburgh, Pa.  
ROBERT BENJAMIN BAKER .....Ventnor, N. J.  
GEOFFREY ROSS BARGER .....Wayne, Pa.  
JERRY MARK BELSH .....Philadelphia, Pa.  
RICHARD HARRY BENNETT .....Pittsburgh, Pa.  
STUART MICHAEL BERGER .....Narberth, Pa.  
PAUL DAVID BERGUSON .....Mansfield, Pa.  
HOWARD FREDERICK BERLIN .....Wyncote, Pa.  
GERARD THOMAS BERRY .....Philadelphia, Pa.  
MICHAEL JOSEPH BESOZZI .....Houston, Tex.  
ALAN HENRY BIERLEIN .....Pa. Furnace, Pa.  
WILLIAM ALBERT BIERMANN .....Philadelphia, Pa.  
RICHARD NEAL BLUTSTEIN .....Reading, Pa.  
BRUCE BARTON BORGELT .....Philadelphia, Pa.  
WINSLOW JOSEPH BORKOWSKI, JR. ....Jenkintown, Pa.  
JOSEPH MICHAEL BRANCONI .....Springfield, Pa.  
GORDON L. BRODIE .....Rego Park, N. Y.  
CLIFFORD ARTHUR BROWNING .....Norristown, Pa.  
MARGARET JEAN BRUNT .....Wall Twp., N. J.  
ROBERT ARTINA CAIN .....Penns Grove, N. J.  
SUSAN LUSCOMBE CARTY .....Philadelphia, Pa.  
ANTHONY PAUL CARUSO .....Southampton, N. Y.
- EDWARD CATHERWOOD .....Aldan, Pa.  
GARY STEVEN CLARK .....Elwyn, Pa.  
DAVIS LOUIS CLINTON .....Wilmington, Del.  
WILLIAM PATRICK COGHLAN, JR. ....Beaver Falls, Pa.  
TERRY B. COHEN .....Pittsburgh, Pa.  
STEPHEN DAVID CONRAD .....Wilmington, Del.  
LAWRENCE J. COOK .....Fort Washington, Pa.  
WARREN CORNEL DANIELS .....Millville, N. J.  
JAMES CORRIGAN DELEHANTY .....Hazleton, Pa.  
MARK LAWRENCE DEMBERT .....Altoona, Pa.  
KENNETH JOHN DETRICK .....Drexel Park, Pa.  
JOSEPH DI SAVERIO .....Philadelphia, Pa.  
JOHN HENRY DOHERTY, JR. ....Dunmore, Pa.  
JOHN DANIEL DOMANSKI .....Camden, N. J.  
GERALD PATRICK DURKAN .....Uniontown, Pa.  
LINDA MARIE EKMAN .....Livingston, N. J.  
THOMAS RICHARD ELLENBERGER, JR. . .Johnstown, Pa.  
KENTON BOYD ENGLAND .....Roaring Spring, Pa.  
EDWARD ANTHONY ENGLE .....Pittsburgh, Pa.  
MARK STEWART ETTER .....Phoenixville, Pa.  
BRADLEY DENNIS EVANS .....Philadelphia, Pa.  
RICHARD ALLAN EVANS .....Houston, Pa.  
(Degree Conferred October 7, 1974)
- MITCHELL LEE FACTOR .....Philadelphia, Pa.  
THEODORE ALBERT FEINSTEIN .....Philadelphia, Pa.  
ROBERT SIDNEY FIELDS .....Ocean City, N. J.  
MICHAEL PAUL FLACCO .....Levittown, Pa.

- THOMAS FORSYTH .....Philadelphia, Pa.  
(Degree Conferred October 7, 1974)
- DOUGLAS REID GELLERMAN ....N. Tarrytown, N. Y.  
LAWRENCE JAY GIBEL .....West Hempstead, N. Y.  
BARBARA BROWNLEE GIBSON .....Cherry Hill, N. J.  
JOSEPH BASIL GILETTO .....Bala-Cynwyd, Pa.  
LAWRENCE WAYNE GINSBERG .....Philadelphia, Pa.  
STEVEN JOHN GLINKA .....Philadelphia, Pa.  
ALAN CARY GOLD .....Philadelphia, Pa.  
ALAN GOLDBERG .....Penn Wynne, Pa.  
PAUL EDWARD GOLDBERG .....Morrisville, Pa.  
GAIL SHERYL GOLDSTEIN .....Philadelphia, Pa.  
IRWIN STUART GOLDSTEIN .....Philadelphia, Pa.  
VANCE ARIEL GOOD .....Mansfield, Pa.  
HOWARD EDWARD GOODY .....Philadelphia, Pa.  
RICHARD DENNIS GORDON .....Philadelphia, Pa.  
ROBERT HARRIS GORDON .....Philadelphia, Pa.  
HERBERT EUGENE GRAY, III .....Jewett City, Conn.  
MICHAEL JOHN GRIFFIN .....Detroit, Mich.  
JOHN EDGAR GRIGGS, JR. ....Wilmington, Del.  
LEONARD GROSSMAN .....Philadelphia, Pa.  
ROBERT YALE GUMNIT .....Bala-Cynwyd, Pa.  
JOHN RANDOLPH HAIN .....West Lawn, Pa.  
KATHRYN LAURIE HALL .....Doylestown, Pa.  
ROBERT HAMILTON HALL .....Glen Mills, Pa.  
GEOFFREY GADDIS HALLOCK .....Camp Hill, Pa.  
WESLEY RENNIE HARDEN .....Broomall, Pa.  
ROBERT ALAN HARRIS .....Philadelphia, Pa.  
ARTHUR COMMONS HAYES .....Ambler, Pa.  
ANNE P. HENCH .....Altoona, Pa.  
JOHN EVANS HOCUTT, JR. ....Newark, Del.  
STEVEN LESLIE HOROWITZ .....Hollis Hills, N. Y.  
ROBERT ROSS HOUSTON, JR. ....New Wilmington, Pa.  
EUGENE PATRICK HUGHES, JR. ....Philadelphia, Pa.  
SAMUEL CARLTON HUGHES, JR. ....Wilmington, Del.  
LAWRENCE MARK HURVITZ .....Broomall, Pa.  
RICHARD STUART JACKSON, JR. ....Nashua, N. H.  
NATHAN ARTHUR JACOBSON .....Pittsburgh, Pa.  
DAVID STANLEY JEZYK .....Wilmington, Del.  
STEVEN CLAYTON JOHNSON .....Wilmington, Del.  
JAMES MERRILL JONES, II .....Rehoboth Beach, Del.  
DAVID M. KAMSLER .....Norristown, Pa.  
STEPHEN KARASICK .....Philadelphia, Pa.  
(Degree Conferred October 7, 1974)
- JONATHAN LOUIS KATES .....Merion, Pa.  
JOHN JOSEPH KAVANAGH, JR. ....Col. Springs, Col.  
JONATHAN KAY .....Wilmington, Del.  
MARILYN C. KAY .....Kirkwood, N. J.  
WESLEY EDWARD KERSCHBAUM .....Wellsboro, Pa.  
MICHAEL JOHN KILCULLEN .....Scranton, Pa.  
WILLIAM JAY KITEI .....Philadelphia, Pa.  
PETER GEORGE KLACSMANN .....Wilmington, Del.  
STEVEN ALAN KOLKER .....Havertown, Pa.  
JOSEPH JOHN KOREY, JR. ....Philadelphia, Pa.  
KAREN FAYE KUHN .....Greensburg, Pa.  
MARY LOUISE KUNDRAT .....Pittsburgh, Pa.  
CRAIG FRED LAFORCE .....Philadelphia, Pa.  
ELLIS ROBERT LEVIN .....Philadelphia, Pa.  
GREGORY LEE LEWIS .....Carlisle, Pa.  
DALE LINTON .....Pittsburgh, Pa.  
HYMAN DAVID LIPSITZ .....Pittsburgh, Pa.  
EDWARD HOWARD LOWENSTEIN .....Margate, N. J.  
RANDALL FLYNN MAGUIRE .....Delanco, N. J.  
THOMAS MICHAEL MALACHESKY .....Plains, Pa.  
HERBERT ELLIOT MANDELL .....Philadelphia, Pa.  
JEANNE IRELAND MANSER .....Philadelphia, Pa.  
RICHARD PETER MARCELLO .....Wilmington, Del.  
GERALD BERNARD MARTIN .....Baltimore, Md.  
JANINE ANN MATSKO .....Springfield, Pa.  
THOMAS JOHN MAXWELL .....Newark, Del.  
DAVID PIERCE MAYER .....Forest Hills, N. Y.  
JAMES EDWARD MCGEARY .....New Kensington, Pa.  
JOHN MICHAEL MCGOWAN .....Cheltenham, Pa.  
CHERYL LEE MCJUNKIN .....Newark, Del.  
GENO JOSEPH MERLI .....Peckville, Pa.  
MARTIN RALPH MERSKY .....Dover, Del.

- FRED HARLAND MILLER .....Philadelphia, Pa.  
WILLIAM MICHAEL MIRENDA .....Media, Pa.  
THOMAS JOSEPH MIZIANTY .....Carbondale, Pa.  
DAVID HUNKELE MOORE .....Philadelphia, Pa.  
CAROL ANN MORNINGSTAR .....Altoona, Pa.  
PHYLLIS JANE MORNINGSTAR .....Altoona, Pa.  
WAYNE SAMUEL MORRIS .....Wilkes-Barre, Pa.  
STEPHEN CARL MORY .....Harborcreek, Pa.  
CRAIG L. MUETTERTIES .....Newark, Del.  
DONALD LOUIS MYERS .....DuBois, Pa.  
JOHN FREDERICK NANSTEEL, JR. ....Norristown, Pa.  
THOMAS JOSEPH NASCA .....White Plains, N. Y.  
ALLAN JAY NEFF .....Narberth, Pa.  
BERNARD FRANCIS ODDI .....Finleyville, Pa.  
GARY MITCHELL OWENS .....Laurel, Del.  
STANLEY SCOTT PAIST .....Glenside, Pa.  
WILLIAM GEORGE PALACE .....Haddonfield, N. J.  
C. PAUL PANCEREV .....Erie, Pa.  
SHELLEY JANE PARR .....Millville, N. J.  
ALEXANDER GRAHAM PATERSON .....Ebensburg, Pa.  
ALEXANDER ROBERT PEDICINO .....Philadelphia, Pa.  
JEANNE MARIE PELENSKY .....Philadelphia, Pa.  
MARK JOEL PELLO .....Fair Lawn, N. J.  
FRANK R. PENATER .....Sicklerville, N. J.  
L. DOUGLAS PEPPER .....Brownsville, Pa.  
MICHAEL DAVID PERILSTEIN .....Bala-Cynwyd, Pa.  
PAUL ALLEN PICCINI .....Vineland, N. J.  
PAUL ROBERT PIRIGYI .....Bryn Mawr, Pa.  
RANDALL EUGENE PITONE .....Fort Lauderdale, Fla.  
LAURENCE ROGER PLUMB .....Cherry Hill, N. J.  
STEVEN G. PRATT .....Philadelphia, Pa.  
JOHN DONALD RAUTH, JR. ....Wynnewood, Pa.  
MARK EDWARD RAYNER .....Cherry Hill, N. J.  
JOHN PATRICK ROGERS .....Mountaintop, Pa.  
GEORGE MARTIN ROMANZO .....Aston, Pa.  
JOHN MICHAEL ROMINGER .....Rosemont, Pa.  
GARY IVAN ROSENTHAL .....Johnstown, Pa.  
WILLIAM FREDERIC ROSNER .....Philadelphia, Pa.  
PAUL JOSEPH RUSCHAK .....Charleroi, Pa.  
JOEL MICHAEL RUTENBERG .....North Plainfield, N. J.  
ARTHUR CHARLES ST. ANDRE .....Whippany, N. J.  
JERRY SALKOWE .....Andalusia, Pa.  
JOHN THOMAS SANTARLAS .....Maple Shade, N. J.  
ROBERT THAYER SATALOFF .....Philadelphia, Pa.  
NORBERT DANIEL SCHARFF .....Haddonfield, N. J.  
DONALD ELI SCHEPPS .....Wynnewood, Pa.  
ZACHARY SCHLAFF .....Elkins Park, Pa.  
WILLIAM SCHLECHTER .....Philadelphia, Pa.  
EDWARD STEPHEN SCHULMAN .....Philadelphia, Pa.  
JERE FRANCIS SEELAUS .....Rye, N. Y.  
DARRYL MCKINLEY SEXTON .....Lawnside, N. J.  
LEWIS S. LUNDY SHARPS .....Philadelphia, Pa.  
VIVICA JEAN FITZPATRICK SHERMAN .....Ashland, Ky.  
SHERYL LEDERMAN SILFEN .....West Orange, N. J.  
JOAN WITHERSPOON SIMPSON .....Philadelphia, Pa.  
ARTHUR SITELMAN .....Philadelphia, Pa.  
CRAWFORD CUNNINGHAM SMITH .....Wilkes-Barre, Pa.  
JOEL H. SOKOL .....Philadelphia, Pa.  
WILLIAM ANTHONY SPOHN .....Springfield, Pa.  
THOMAS HAROLD SPRAGUE .....Coopersburg, Pa.  
KEITH MELVIN STAIMAN .....Williamsport, Pa.  
MARC E. STERNBERG .....Philadelphia, Pa.  
MICHAEL PAUL STEWART .....Lafayette Hill, Pa.  
IRENA OLGA STOLAR .....Philadelphia, Pa.  
BRUCE JEFFERY STRATT .....Havertown, Pa.  
KENNETH RUSSELL STREHLE .....Philadelphia, Pa.  
DAVID ORR THAYER .....Erie, Pa.  
KENNETH OLIVER THOMPSON .....Seaford, Del.  
STEPHEN COUGHLIN TOWNEND .....Dallas, Pa.  
BRUCE COLEMAN TURNER .....Newark, Del.  
LEE SWENSON VALENTINE .....Connellsville, Pa.  
JOHN MICHAEL VAN SUMMERN .....Wayne, Pa.  
BRUCE HARRIS VAN VRANKEN .....Glendora, Cal.  
VERNON VANBOLDEN, II .....Dallas, Tex.  
JOHN CHARLES VANDER HULST .....West Chester, Pa.  
ROY THEODORE VEVE .....Fajardo, Puerto Rico



## GEOGRAPHICAL RECAPITULATION

	Jefferson Medical College	College of Graduate Studies	College of Allied Health Sciences
Pennsylvania .....	155	11	54
Other States .....	64	1	22
U. S. Possessions .....	1	—	—
Foreign Countries .....	—	5	—
<b>TOTAL</b> .....	<b>220</b>	<b>17</b>	<b>76</b>
The total number of graduates to date .....	22,453	285	154

## THE ACADEMIC COSTUME

The wearing of academic dress dates back to the early days of the oldest universities in the world. In the American Council on Education's book entitled "American Universities and Colleges" it is suggested that "gowns may have been counted necessary for warmth in the unheated buildings frequented by medieval scholars. Hoods seem to have served to cover the tonsured head . . ."

Throughout the years European universities have continued to show great diversity in their academic dress. American universities, on the other hand, when they decided to adopt academic dress about fifty years ago, immediately established a code of regulations which today is followed by almost all American institutions. The establishment of this code has made it possible to distinguish the Bachelors, Masters, and Doctors and at the same time recognize the university which has given them the degree.

The Bachelor's gown has pointed sleeves and is worn closed. The Master's gown has oblong sleeves, open at the wrist. The rear part of its oblong shape is square cut and the front part has an arc cut away, and is worn open or closed. The Doctor's gown has bell-shaped sleeves. It is worn opened or closed. Cotton poplin or similar material is used for the Bachelor's and Master's degrees, and rayon or silk ribbed material is used for the Doctor's degree.

The hoods vary in length: 48 inches for the Doctor's degree, 42 inches for the Master's, and 36 inches for the Bachelor's. All hoods are lined in silk in the academic color or colors of the institution conferring the degree. If the institution has more than one color, the colors are shown in divisions using chevrons. The binding or edge of the hood is usually made of velvet in the color designating the subject in which the degree was granted.

Black mortarboards are worn for all degrees.

Some of the colors in the bindings of the hoods are:

<i>white</i> .....	Arts and Letters	<i>olive green</i> .....	Pharmacy
<i>lilac</i> .....	Dentistry	<i>dark blue</i> .....	Philosophy
<i>light blue</i> .....	Education	<i>salmon pink</i> .....	Public Health
<i>green</i> .....	Medicine	<i>golden yellow</i> .....	Science
<i>apricot</i> .....	Nursing		

The colors of the linings of the hoods for some Philadelphia medical institutions are:

<i>red and blue</i> .....	University of Pennsylvania	<i>blue and gold</i> .....	Hahnemann Medical College
<i>blue and white</i> .....	Philadelphia College of Pharmacy and Science	<i>silver gray and scarlet</i> ..	The Medical College of Pennsylvania
<i>black and blue</i> .....	Thomas Jefferson University	<i>white and cherry</i> .....	Temple University

### *The Jefferson Processional*

The Jefferson Processional was commissioned by the Alumni Association of Jefferson Medical College and played for the first time on November 15, 1974, at the Sesquicentennial Celebration of Jefferson Medical College of Thomas Jefferson University.

This piece was presented to Thomas Jefferson University by the President of the Alumni Association of Jefferson Medical College, Dr. John J. Gartland.

The composition was composed by Burle Marx.